

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|------------------|
| L1 | 2450 | ((smart OR adaptive) ADJ2 antenna).ti,ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:06 |
| L2 | 91 | L1 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR AOA OR bearing OR weight\$3)) AND ((array OR antenna ADJ element) WITH (phase\$1 OR weight\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:00 |
| L3 | 814 | (342/417,422-423).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/28 16:01 |
| L4 | 31 | L3 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR AOA OR bearing OR weight\$3)) AND ((array OR antenna ADJ element) WITH (phase\$1 OR weight\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:07 |
| L5 | 120 | L2 OR L4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:07 |
| L6 | 1 | L5 AND (path ADJ search).ti,ab, bsum,clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:08 |
| L7 | 3 | L5 AND (correlat\$3 WITH pilot WITH (subcarrier OR sub-carrier)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:13 |

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| L9 | 4047 | ((smart OR adaptive) ADJ2 antenna).ti,ab,bsum,clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:07 |
| L10 | 275 | L9 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR AOA OR bearing OR weight\$3)) AND ((array OR antenna ADJ element) WITH (phase\$1 OR weight\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:07 |
| L11 | 300 | L2 OR L4 OR L10 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:57 |
| L12 | 5 | L11 AND (path ADJ search).ti,ab,bsum,clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:08 |
| L13 | 0 | ("6968169").URPN. | USPAT | OR | ON | 2007/02/28 16:10 |
| L14 | 5 | ("2002/0072343").URPN. | USPAT | OR | ON | 2007/02/28 16:10 |
| L15 | 3 | L11 AND (correlat\$3 WITH pilot WITH (subcarrier OR sub-carrier)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:14 |
| L16 | 12 | L11 AND (correlat\$3 WITH pilot WITH (subcarrier OR sub-carrier OR subband OR subband OR band)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:18 |
| L17 | 3 | L11 AND (correlat\$3 WITH pilot WITH (subcarrier OR sub-carrier OR subband OR subband)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:19 |

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| L18 | 4 | L11 AND (correlat\$3 WITH (pilot OR reference) WITH (subcarrier OR sub-carrier OR subband OR subband)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:20 |
| L19 | 3 | L11 AND (correlat\$3 WITH (pilot OR (reference ADJ signal)) WITH (subcarrier OR sub-carrier OR subband OR subband)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:20 |
| L20 | 7 | L11 AND (correlat\$3 WITH (pilot OR (reference ADJ signal)) WITH (direction OR DOA OR angle OR AOA OR bearing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:21 |
| L21 | 7 | L11 AND (correlat\$3 WITH (pilot) WITH (direction OR DOA OR angle OR AOA OR bearing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:23 |
| L22 | 7 | L11 AND ((correlat\$3 OR covariance OR co-variance) WITH (pilot) WITH (direction OR DOA OR angle OR AOA OR bearing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:27 |
| L23 | 7 | ((correlat\$3 OR covariance OR co-variance) WITH (pilot) WITH (subcarrier OR sub-carrier) WITH (direction OR DOA OR angle OR AOA OR bearing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:34 |
| L24 | 4 | L23 NOT L22 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:31 |
| L25 | 12 | MASUI-ATSUYOSHI.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:31 |

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| L26 | 13 | ((correlat\$3 OR covariance OR co-variance) WITH (pilot) WITH (subcarrier OR sub-carrier) SAME (direction OR DOA OR angle OR AOA OR bearing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:41 |
| L27 | 6 | L26 NOT L23 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:35 |
| L28 | 15 | ((correlat\$3 OR covariance OR co-variance) WITH (pilot OR reference ADJ signal) WITH (subcarrier OR sub-carrier) SAME (direction OR DOA OR angle OR AOA OR bearing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:45 |
| L29 | 2 | L28 NOT L26 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:42 |
| L33 | 85 | (correlat\$3 OR covariance OR co-variance) WITH (pilot) WITH (subcarrier OR sub-carrier) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 17:05 |
| L34 | 11 | (correlat\$3 OR covariance OR co-variance) WITH (pilot) WITH (subcarrier OR sub-carrier) SAME (path OR multipath OR multi-path) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:46 |
| L35 | 61 | L11 AND (music OR esprit OR capon) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:58 |
| L36 | 32 | L35 AND (correlat\$3 OR covariance OR co-variance) WITH (direction OR DOA OR angle OR AOA OR bearing) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 17:00 |

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| L37 | 5 | L35 AND (correlat\$3 OR covariance OR co-variance) WITH (direction OR DOA OR angle OR AOA OR bearing) WITH (pilot OR reference ADJ signal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 17:04 |
| L38 | 1 | L35 AND (correlat\$3 OR covariance OR co-variance) WITH (direction OR DOA OR angle OR AOA OR bearing) WITH (subcarrier OR sub-carrier OR subband OR sub-band OR subband) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 17:01 |
| L39 | 10 | L35 AND (correlat\$3 OR covariance OR co-variance) WITH (direction OR DOA OR angle OR AOA OR bearing) WITH (path OR multipath OR multi-path OR delay ADJ profile) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 17:02 |
| L40 | 5 | L35 AND (correlat\$3 OR covariance OR co-variance) WITH (multipath OR multi-path OR path OR delay ADJ profile) WITH (pilot OR reference ADJ signal) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 17:04 |
| L41 | 13 | (correlat\$3 OR covariance OR co-variance) WITH (pilot OR reference ADJ signal) WITH (direction OR DOA OR angle OR AOA OR bearing) AND (music OR esprit OR capon) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 17:09 |
| L42 | 30 | (correlat\$3 OR covariance OR co-variance) WITH (pilot OR reference ADJ signal) WITH (path OR multipath OR multi-path OR delay ADJ profile) AND (music OR esprit OR capon) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 17:13 |
| L44 | 5 | (correlat\$3 OR covariance OR co-variance) WITH (pilot OR reference ADJ signal) WITH (path OR multipath OR multi-path OR delay ADJ profile) SAME (direction OR DOA OR angle OR AOA OR bearing) AND (music OR esprit OR capon) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 17:13 |
| S1 | 4 | 2002/0085653 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 14:29 |

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| S2 | 2 | EP-1220506-\$.DID. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/28 16:25 |
| S3 | 3 | "7103119".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/11/28 16:26 |
| S4 | 3 | "20020085653" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 14:29 |
| S5 | 3 | ("5933421" "5973642" "6249249").PN. OR ("7103119"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/27 18:09 |
| S6 | 1 | "6529745".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/27 18:10 |
| S7 | 1 | "6351238".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/27 18:10 |
| S8 | 1 | "6333713".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/27 18:12 |
| S9 | 1 | "6642888".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/27 18:14 |
| S10 | 1 | "7088956".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/02/27 18:32 |
| S11 | 3650 | (342/81,157,359-360,368,373, 377,385,417,422-423).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/27 18:35 |
| S12 | 814 | (342/417,422-423).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/02/27 18:35 |

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| S13 | 2450 | ((smart OR adaptive) ADJ2 antenna).ti,ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:37 |
| S14 | 0 | S12 AND ((subcarrier OR sub-carrier) WITH (direction OR DOA OR angle OR bearing)).ti,ab, bsum,clm. AND array.ti,ab,bsum, clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:42 |
| S15 | 0 | S12 AND ((subcarrier OR sub-carrier) WITH (direction OR DOA OR angle OR bearing)) AND array.ti,ab,bsum,clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:40 |
| S16 | 1 | S12 AND ((subcarrier OR sub-carrier) WITH (direction OR DOA OR angle OR bearing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:41 |
| S17 | 265 | S12 AND ((subcarrier OR sub-carrier OR frequency) WITH (direction OR DOA OR angle OR bearing)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:41 |
| S18 | 70 | S12 AND ((subcarrier OR sub-carrier OR carrier OR frequency OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)).ti,ab, bsum,clm. AND array.ti,ab,bsum, clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:44 |
| S19 | 36 | S12 AND ((subcarrier OR sub-carrier OR carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)).ti,ab,bsum,clm. AND array.ti,ab,bsum,clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:44 |
| S20 | 26 | S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)).ti, ab,bsum,clm. AND array.ti,ab, bsum,clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:49 |

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| S21 | 40 | S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)).ti, ab, bsum, clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:46 |
| S22 | 0 | S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)).ti, ab. AND array.ti,ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:48 |
| S23 | 16 | S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)).ti, ab, bsum, clm. AND (array WITH (phase\$1 OR weight\$3)).ti,ab, bsum, clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:52 |
| S24 | 28 | S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)) AND (array WITH (phase\$1 OR weight\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 19:46 |
| S25 | 14 | S13 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)).ti, ab, bsum, clm. AND (array WITH (phase\$1 OR weight\$3)).ti,ab, bsum, clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:56 |
| S26 | 41 | S13 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)) AND (array WITH (phase\$1 OR weight\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:56 |
| S27 | 28 | S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR AOA OR bearing)) AND (array WITH (phase\$1 OR weight\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:55 |
| S28 | 44 | S13 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR AOA OR bearing)) AND (array WITH (phase\$1 OR weight\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 15:59 |

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| S29 | 14 | S13 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR AOA OR bearing)).ti,ab,bsum,clm. AND (array WITH (phase\$1 OR weight\$3)).ti,ab,bsum,clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 18:56 |
| S30 | 46 | S13 AND ((subcarrier OR sub-carrier OR subband OR subband OR band OR OFDM) WITH (direction OR DOA OR angle OR AOA OR bearing)) AND (array WITH (phase\$1 OR weight\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 19:41 |
| S31 | 28 | S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band OR OFDM) WITH (direction OR DOA OR angle OR bearing)) AND (array WITH (phase\$1 OR weight\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 19:42 |
| S32 | 31 | S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)) AND ((array OR (antenna NEAR element)) WITH (phase\$1 OR weight\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 19:46 |
| S33 | 31 | S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR directivity OR DOA OR angle OR bearing)) AND ((array OR (antenna NEAR element)) WITH (phase\$1 OR weight\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 19:53 |
| S34 | 31 | S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR directivity OR DOA OR angle OR bearing OR weight\$3)) AND ((array OR (antenna NEAR element)) WITH (phase\$1 OR weight\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/27 19:53 |